

WHAT IS CLAIMED IS:

1. A disk recording and reproducing device having a slide member which is slidable by drive means through a rack to pull a disk in a horizontal direction from a disk ejecting position and thereafter lower the disk vertically and position the disk in a disk writing/reading position in which information can be written on and read from the disk by an optical pickup,

wherein said slide member has a switch trigger, and said disk recording and reproducing device has detecting means on a chassis thereof for being electrically detected by said switch trigger, and

wherein while the disk is moving from the disk writing/reading position toward the disk ejecting position, said detecting means is operated by the switch trigger of said slide member, and the disk is held in a disk standby position which is spaced a predetermined distance from an objective lens of said optical pickup.

2. The disk recording and reproducing device according to claim 1, wherein in said disk standby position, a surface of said disk is spaced from said objective lens by a distance large enough to prevent said objective lens from contacting the surface of said disk even when said objective lens is moved in a movable range thereof.

3. The disk recording and reproducing device according to claim 1, wherein said disk is stopped in said disk standby position on upward movement thereof while said disk is moving from said disk writing/reading position toward said disk ejecting position.

4. The disk recording and reproducing device according to claim 1, wherein said detecting means detects the disk ejecting position, said disk writing/reading position, and said disk standby position based on a combination of the turning on and off of a pair of switches.

5. The disk recording and reproducing device according to claim 1, wherein said disk comprises a cartridge-type disk.